

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE 03/02266

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B10/17 H04B10/08 H01S3/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/73826 A (STEPHENS THOMAS D ; CORVIS CORP (US); ZANONI RAYMOND (US)) 7 December 2000 (2000-12-07) abstract page 4, line 12 - page 10, line 20 figures 1-5B	1-6
A	WO 02/30018 A (CIENA CORP ; FRIEDRICH LARS (US)) 11 April 2002 (2002-04-11) abstract page 6, paragraph 1 - page 14, paragraph 3 figure 2	1-6

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

4 March 2004

Date of mailing of the international search report

05.04.04

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/071173 A1 (BAIK JIN-SERK ET AL) 13 June 2002 (2002-06-13) abstract paragraphs [0056] - [0061], [0074], [0075] figures 8,9,12 -----	7-9
X	US 2002/044336 A1 (TANAKA TOMOTO ET AL) 18 April 2002 (2002-04-18) abstract paragraphs [0032] - [0038] figure 1 -----	7-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE 03/02266

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0073826	A	07-12-2000	US 6587261 B1	01-07-2003
			AU 7469400 A	18-12-2000
			BR 0010943 A	26-11-2002
			CA 2388247 A1	07-12-2000
			EP 1214760 A2	19-06-2002
			WO 0073826 A2	07-12-2000
			US 2003165006 A1	04-09-2003

WO 0230018	A	11-04-2002	US 6466362 B1	15-10-2002
			AU 9622601 A	15-04-2002
			WO 0230018 A2	11-04-2002

US 2002071173	A1	13-06-2002	KR 2000008448 A	07-02-2000
			CA 2303092 A1	27-01-2000
			CN 1276924 T	13-12-2000
			EP 1018195 A1	12-07-2000
			JP 2002520888 T	09-07-2002
			WO 0004613 A1	27-01-2000

US 2002044336	A1	18-04-2002	WO 0221204 A1	14-03-2002
			EP 1229382 A1	07-08-2002
			US 2002181078 A1	05-12-2002
